

## **SCHEMALESS XML PAYLOAD GENERATION**

### **Abstract of the Invention**

An XML payload is generated from an XML list irrespective of a schema associated with  
5 the XML list. The parent/child relationship paths are collected from the field entries in the XML  
list. An XML payload node tree is created reflective of the parent/child relationship of data in the  
paths of the XML list. The XML payload can then be generated from the XML payload node tree  
and exported as needed to target software applications or web pages. The creation of the XML  
payload node tree begins by first grouping the paths indicative parent/child relationships  
10 according to length. Then for each record in the XML list, the shortest parent path is traversed  
starting with a primary parent or root node. The traversal determines if nodes for the shortest  
parent path have been created in the payload node tree. If nodes are missing along this shortest  
parent path in the node tree, nodes are created for the missing node along this path, and a pointer  
is set to identify the end node in the node tree, i.e. the end of a branch, from which longer paths  
15 for the record might extend. If there is a longer path in the XML list, the above node creating  
operation and pointer setting operation are repeated starting with the end node, extending the  
branch with new nodes to a new end node until the longest path has been processed and a branch  
in the XML payload node tree for the record has been completed. Then the above operations are  
repeated for the next record in the XML list until a complete node tree has been built for all the  
20 records in the XML list.